

0154-2811-2



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Junker

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :
VINCENT BERGER ET AL : EXAMINER: BROCK, II, P.
SERIAL NO: 09/328,391 :
SECOND RCE FILED: Herewith : GROUP ART UNIT: 2815
FOR: QUANTUM WELL DETECTOR :
WITH LAYER FOR THE STORAGE
OF PHOTO-EXCITED ELECTRONS

REQUEST FOR CONTINUED EXAMINATION
FILED CONCURRENTLY WITH AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

In response to the Office Action dated June 4, 2003, please amend this application as follows:

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TECHNOLOGY CENTER 2800

IN THE CLAIMS

Please amend Claims 1 and 13 as shown below in clean form. A marked-up copy of the amended claims is attached.

1. (Three Times Amended) An electromagnetic wave detector comprising:

C1
a stack of layers made of III-V semiconductor materials, a conduction band profile of said materials defining at least one quantum well, said quantum well having at least one first discrete energy level populated with electrons that are capable of passing to a second energy level under an absorption of an electromagnetic wave; and